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AMENDMENTS TO THE CLAIMS

1. (Currently amended) A pharmaceutical composition for treating or preventing an allergic reaction associated with increased IgE levels, inhibiting cellular proliferation, and/or inhibiting cytokines or leukocytes in a mammal compound having comprising any one or more of the following compounds formulas:

$$R_1$$
 HN
 R_2
 R_1
 R_2
 R_3
 R_4
 R_4
 R_5
 R_6
 R_7
 R_8
 R_9
 R_9

$$R_1$$
 H_N
 R_2
 M
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$$R_1$$
 R_2
 R_1
 R_2
 R_3
 R_4
 R_4
 R_5
 R_5
 R_7
 R_7

$$R_1$$
 HN
 R_2
 R_1
 R_2
 R_3
 R_4
 R_4
 R_5
 R_5
 R_7
 R_7

$$R_1$$
 HN
 R_2
 R_1
 R_2
 R_3
 R_4
 R_4
 R_4
 R_5
 R_4
 R_5
 R_6
 R_7
 R_8
 R_8
 R_9
 R_9

$$R_1$$
— N
 R_2
 R_1
 R_2
 R_2
 R_3
 R_4
 R_4
 R_4
 R_5
 R_5

wherein L and M are independently selected from the group consisting of H, alkyl, alkoxy, aryl, substituted aryl, hydroxy, halogen, amino, alkylamino, nitro, cyano, CF₃, OCF₃, CONH₂, CONHR and NHCOR₁;

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wherein R is selected from the group consisting of H, C₁-C₅ alkyl, benzyl, p-fluorobenzyl and di-alkylamino alkyl, wherein said C₁-C₅ alkyl is selected from the group consisting of a straight chain, branched or cyclic alkyl;

wherein R₁ and R₂ are independently selected from the group consisting of H, alkyl, substituted alkyl, C₃-C₉ cycloalkyl, substituted C₃-C₉ cycloalkyl, polycyclic aliphatic groups, substituted polycyclic aliphatic groups, phenyl, substituted phenyl, naphthyl, substituted naphthyl, heterocyclic, polycyclic heterocyclic, heteroaryl and substituted heteroaryl, wherein said heteroaryl and said substituted heteroaryl contain 1-3 heteroatoms, wherein said heteroatom is independently selected from the group consisting of nitrogen, oxygen and sulfur;

wherein said substituted polycyclic aliphatic groups, substituted phenyl, substituted naphthyl and substituted heteroaryl contain 1-3 substituents, wherein said substituent is selected from the group consisting of H, halogens, polyhalogens, alkoxy group, substituted alkoxy, alkyl, substituted alkyl, dialkylaminoalkyl, hydroxyalkyl, hydroxyamino, alkoxyamino, carbonyl, OH, OCH₃, COOH, COOR' COR', CN, CF₃, OCF₃, NO₂, NR'R', NHCOR', and CONR'R'; and

wherein R' is selected from the group consisting of H, alkyl, substituted alkyl, C₃-C₉ cycloalkyl, substituted C₃-C₉ cycloalkyl, polycyclic aliphatics, phenyl, substituted phenyl, naphthyl, substituted naphthyl, heteroaryl and substituted heteroaryl, wherein said heteroaryl and said substituted heteroaryl contain 1-3 heteroatoms, wherein said heteroatom is independently selected from the group consisting of nitrogen, oxygen and sulfur.

- 2. (Original) The compound of Claim 1, wherein said polycyclic aliphatic group is selected from the group consisting of adamantyl, bicycloheptyl, camphoryl, bicyclo[2,2,2]octanyl and norbornyl.
- 3. (Original) The compound of Claim 1, wherein said heteroaryl and said substituted heteroaryl is selected from the group consisting of pyridines, thiazoles, isothiazoles, oxazoles, pyrimidines, pyrazines, furans, thiophenes, isoxazoles, pyrroles, pyridazines, 1,2,3-triazines, 1,2,4-triazines, 1,3,5-triazines, pyrazoles, imidazoles, indoles, quinolines, isoquinolines, benzothiophines, benzofurans, parathiazines, pyrans, chromenes, pyrrolidines,

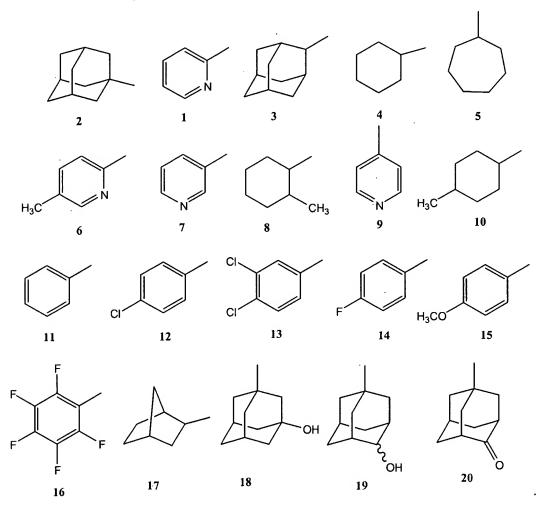
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pyrazolidines, imidazolidines, morpholines, thiomorpholines, and the corresponding heterocyclics.

- 4. (Currently amended) The pharmaceutical composition compound of Claim 1, further comprising at least one additional ingredient which is active in reducing at least one symptom associated with said allergic reaction, cell proliferation and/or inhibition of cytokines or leukocytes.
- 5. (Currently amended) The pharmaceutical composition compound of Claim 1, wherein R_1 and R_2 are independently selected from the following:



- 6. (Currently amended) The pharmaceutical composition compound of Claim 1 comprising a compound selected from the group consisting of compounds S1-S123, T1-T102, U1-U18, and V1-V28.
- 7. (Currently amended) A pharmaceutical composition for treating or preventing an allergic reaction associated with increased IgE levels, inhibiting cellular proliferation, and/or

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inhibiting cytokines or leukocytes in a mammal compound comprising any one or more of the following compounds formulas:

$$R_1$$
 HN
 R_2
 R_2
 R_3
 R_4
 R_4
 R_4
 R_5
 R_4
 R_5
 R_6
 R_6
 R_6
 R_6
 R_6
 R_6
 R_7
 R_8
 R_8

wherein L and M are independently selected from the group consisting of H, alkyl, alkoxy, aryl, substituted aryl, hydroxy, halogen, amino, alkylamino, nitro, cyano, CF₃, OCF₃, CONH₂, CONHR and NHCOR₁;

wherein R is selected from the group consisting of H, C₁-C₅ alkyl, benzyl, p-fluorobenzyl and di-alkylamino alkyl, wherein said C₁-C₅ alkyl is selected from the group consisting of a straight chain, branched or cyclic alkyl;

wherein R₁ and R₂ are independently selected from the group consisting of H, alkyl, substituted alkyl, C₃-C₉ cycloalkyl, substituted C₃-C₉ cycloalkyl, polycyclic aliphatic groups, substituted polycyclic aliphatic groups, phenyl, substituted phenyl, naphthyl, substituted naphthyl, heterocyclic, polycyclic heterocyclic, heteroaryl and substituted heteroaryl, wherein said heteroaryl and said substituted heteroaryl contain 1-3 heteroatoms, wherein said heteroatom is independently selected from the group consisting of nitrogen, oxygen and sulfur;

wherein said substituted polycyclic aliphatic groups, substituted phenyl, substituted naphthyl and substituted heteroaryl contain 1-3 substituents, wherein said substituent is selected from the group consisting of H, halogens, polyhalogens, alkoxy group, substituted alkoxy, alkyl, substituted alkyl, dialkylaminoalkyl, hydroxyalkyl, hydroxyamino, alkoxyamino, carbonyl, OH, OCH₃, COOH, COOR' COR', CN, CF₃, OCF₃, NO₂, NR'R', NHCOR', and CONR'R'; and

wherein R' is selected from the group consisting of H, alkyl, substituted alkyl, C₃-C₉ cycloalkyl, substituted C₃-C₉ cycloalkyl, polycyclic aliphatics, phenyl, substituted phenyl, naphthyl, substituted naphthyl, heteroaryl and substituted heteroaryl, wherein said

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heteroaryl and said substituted heteroaryl contain 1-3 heteroatoms, wherein said heteroatom is independently selected from the group consisting of nitrogen, oxygen and sulfur.

- 8. (Currently amended) The pharmaceutical composition compound of Claim 7 comprising a compound selected from the group consisting of compounds S-6, S-96, and S-97.
- 9. (Currently amended) A pharmaceutical composition for treating or preventing an allergic reaction associated with increased IgE levels, inhibiting cellular proliferation, and/or inhibiting cytokines or leukocytes in a mammal compound comprising any one or more of the following compounds formulas:

wherein L and M are independently selected from the group consisting of H, alkyl, alkoxy, aryl, substituted aryl, hydroxy, halogen, amino, alkylamino, nitro, cyano, CF₃, OCF₃, CONH₂, CONHR and NHCOR₁;

wherein R is selected from the group consisting of H, C_1 - C_5 alkyl, benzyl, p-fluorobenzyl and di-alkylamino alkyl, wherein said C_1 - C_5 alkyl is selected from the group consisting of a straight chain, branched or cyclic alkyl;

wherein R₁ and R₂ are independently selected from the group consisting of H, alkyl, substituted alkyl, C₃-C₉ cycloalkyl, substituted C₃-C₉ cycloalkyl, polycyclic aliphatic groups, substituted polycyclic aliphatic groups, phenyl, substituted phenyl, naphthyl, substituted naphthyl, heterocyclic, polycyclic heterocyclic, heteroaryl and substituted heteroaryl, wherein said heteroaryl and said substituted heteroaryl contain 1-3 heteroatoms, wherein said heteroatom is independently selected from the group consisting of nitrogen, oxygen and sulfur;

wherein said substituted polycyclic aliphatic groups, substituted phenyl, substituted naphthyl and substituted heteroaryl contain 1-3 substituents, wherein said substituent is selected from the group consisting of H, halogens, polyhalogens, alkoxy

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group, substituted alkoxy, alkyl, substituted alkyl, dialkylaminoalkyl, hydroxyalkyl, hydroxyamino, alkoxyamino, carbonyl, OH, OCH₃, COOH, COOR' COR', CN, CF₃, OCF₃, NO₂, NR'R', NHCOR', and CONR'R'; and

wherein R' is selected from the group consisting of H, alkyl, substituted alkyl, C₃-C₉ cycloalkyl, substituted C₃-C₉ cycloalkyl, polycyclic aliphatics, phenyl, substituted phenyl, naphthyl, substituted naphthyl, heteroaryl and substituted heteroaryl, wherein said heteroaryl and said substituted heteroaryl contain 1-3 heteroatoms, wherein said heteroatom is independently selected from the group consisting of nitrogen, oxygen and sulfur.

- 10. (Currently amended) The pharmaceutical composition compound of Claim 9 comprising a compound selected from the group consisting of compounds T-3, T-83, and T-102.
- 11. (Currently amended) A pharmaceutical composition for treating or preventing an allergic reaction associated with increased IgE levels, inhibiting cellular proliferation, and/or inhibiting cytokines or leukocytes in a mammal compound comprising any one or more of the following compounds formulas:

wherein L and M are independently selected from the group consisting of H, alkyl, alkoxy, aryl, substituted aryl, hydroxy, halogen, amino, alkylamino, nitro, cyano, CF₃, OCF₃, CONH₂, CONHR and NHCOR₁;

wherein R is selected from the group consisting of H, C₁-C₅ alkyl, benzyl, p-fluorobenzyl and di-alkylamino alkyl, wherein said C₁-C₅ alkyl is selected from the group consisting of a straight chain, branched or cyclic alkyl;

wherein R₁ and R₂ are independently selected from the group consisting of H, alkyl, substituted alkyl, C₃-C₉ cycloalkyl, substituted C₃-C₉ cycloalkyl, polycyclic aliphatic groups, substituted polycyclic aliphatic groups, phenyl, substituted phenyl, naphthyl, substituted naphthyl, heterocyclic, polycyclic heterocyclic, heteroaryl and

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substituted heteroaryl, wherein said heteroaryl and said substituted heteroaryl contain 1-3 heteroatoms, wherein said heteroatom is independently selected from the group consisting of nitrogen, oxygen and sulfur;

wherein said substituted polycyclic aliphatic groups, substituted phenyl, substituted naphthyl and substituted heteroaryl contain 1-3 substituents, wherein said substituent is selected from the group consisting of H, halogens, polyhalogens, alkoxy group, substituted alkoxy, alkyl, substituted alkyl, dialkylaminoalkyl, hydroxyalkyl, hydroxyamino, alkoxyamino, carbonyl, OH, OCH₃, COOH, COOR' COR', CN, CF₃, OCF₃, NO₂, NR'R', NHCOR', and CONR'R'; and

wherein R' is selected from the group consisting of H, alkyl, substituted alkyl, C₃-C₉ cycloalkyl, substituted C₃-C₉ cycloalkyl, polycyclic aliphatics, phenyl, substituted phenyl, naphthyl, substituted naphthyl, heteroaryl and substituted heteroaryl, wherein said heteroaryl and said substituted heteroaryl contain 1-3 heteroatoms, wherein said heteroatom is independently selected from the group consisting of nitrogen, oxygen and sulfur.

- 12. (Currently amended) The pharmaceutical composition compound of Claim 11 comprising a compound selected from the group consisting of compounds T-88, T-89, T-90, T-91, T-94, and T-96.
- 13. (Withdrawn) A method for treating or preventing an allergic reaction and/or for inhibiting cytokines or leukocytes in a mammal comprising administering an effective amount of at least one of the following compounds:

$$R_1$$
 HN
 R_2
 R_1
 R_2
 R_3
 R_4
 R_4
 R_4
 R_5
 R_4
 R_5
 R_6
 R_7
 R_8
 R_8
 R_9
 R_9
 R_9
 R_9
 R_9
 R_9
 R_9
 R_9
 R_9
 R_9

Genus II;

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$$R_1$$
 R_2
 R_1
 R_2
 R_3
 R_4
 R_4
 R_5
 R_5
 R_6
 R_7
 R_7
 R_8
 R_8
 R_9
 R_9
 R_9
 R_9
 R_9

$$R_1$$
 R_2
 R_1
 R_2
 R_3
 R_4
 R_4
 R_5
 R_6
 R_7
 R_8
 R_8
 R_9
 R_9

$$R_1$$
— N
 R_2
 R_1
 R_2
 R_3
 R_4
 R_4
 R_5
 R_5
 R_7
 R_8
 R_8
 R_9
 R_9

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$$R_1$$
 R_2
 R_1
 R_2
 R_3
 R_4
 R_4
 R_5
 R_5
 R_7
 R_7

$$R_1$$
 HN
 R_2
 R
 R
 R_1
 R
 R_2
 R
 R
 R
 R
 R

$$R_1$$
— R_2
 R_1 — R_2
 R_1 — R_2
 R_1 — R_2
 R_2
 R_2
 R_1
 R_2
 R_2
 R_2
 R_1
 R_2
 R_2
 R_1
 R_2
 R_2
 R_1
 R_2
 R_2
 R_1
 R_2
 R_2
 R_2
 R_1
 R_2
 R_2
 R_2
 R_1
 R_2
 R_2
 R_2
 R_3
 R_4
 R_4
 R_4
 R_4
 R_4
 R_4
 R_4
 R_4
 R_5
 R_5

wherein R is selected from the group consisting of H, C₁-C₅ alkyl, benzyl, p-fluorobenzyl and di-alkylamino alkyl, wherein said C₁-C₅ alkyl is selected from the group consisting of a straight chain, branched or cyclic alkyl;

wherein R₁ and R₂ are independently selected from the group consisting of H, alkyl, substituted alkyl, C₃-C₉ cycloalkyl, substituted C₃-C₉ cycloalkyl, polycyclic aliphatic groups, substituted polycyclic aliphatic groups, phenyl, substituted phenyl, naphthyl, substituted naphthyl, heterocyclic, polycyclic heterocyclic, heteroaryl and substituted heteroaryl, wherein said heteroaryl and said substituted heteroaryl contain 1-3 heteroatoms, wherein said heteroatom is independently selected from the group consisting of nitrogen, oxygen and sulfur;

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wherein said substituted polycyclic aliphatic groups, substituted phenyl, substituted naphthyl and substituted heteroaryl contain 1-3 substituents, wherein said substituent is selected from the group consisting of H, halogens, polyhalogens, alkoxy group, substituted alkoxy, alkyl, substituted alkyl, dialkylaminoalkyl, hydroxyalkyl, hydroxyamino, alkoxyamino, carbonyl, OH, OCH₃, COOH, COOR' COR', CN, CF₃, OCF₃, NO₂, NR'R', NHCOR', and CONR'R'; and

wherein R' is selected from the group consisting of H, alkyl, substituted alkyl, C₃-C₉ cycloalkyl, substituted C₃-C₉ cycloalkyl, polycyclic aliphatics, phenyl, substituted phenyl, naphthyl, substituted naphthyl, heteroaryl and substituted heteroaryl, wherein said heteroaryl and said substituted heteroaryl contain 1-3 heteroatoms, wherein said heteroatom is independently selected from the group consisting of nitrogen, oxygen and sulfur.

- 14. (Withdrawn) The method of Claim 13 further comprising administering at least one additional ingredient which is active in reducing at least one symptom associated with said allergic reaction.
- 15. (Withdrawn) The method of Claim 14, wherein said at least one additional ingredient is selected from the group consisting of a short-acting β_2 -adrenergic agonist, a long-acting β_2 -adrenergic agonist, an antihistamine, a phosphodiesterase inhibitor, an anticholinergic agent, a corticosteroid, an inflammatory mediator release inhibitor and a leukotriene receptor antagonist.
- 16. (Withdrawn) The method of Claim 14, wherein said at least one additional ingredient is combined with said compound in a pharmaceutically acceptable diluent and coadministered to the mammal.
- 17. (Withdrawn) The method of Claim 13, wherein said compound is administered at a dose of about 0.01 mg to about 100 mg per kg body weight per day.
- 18. (Withdrawn) The method of Claim 17, wherein said dose is administered in divided doses at regular periodic intervals.
- 19. (Withdrawn) The method of Claim 18, wherein said regular periodic intervals occur daily.

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20. (Withdrawn) A method for treating or preventing asthma in a mammal comprising administering an IgE-suppressing amount of at least one of the following compounds:

$$R_1$$
 H_N
 R_2
 R_1
 R_2

Genus I;

$$R_1$$
— N
 R_2
 R_1
 R_2
 R_2
 R_1
 R_2
 R_2
 R_1
 R_2
 R_2
 R_1
 R_2
 R_2
 R_3
 R_4
 R_4
 R_5
 R_5

$$R_1$$
— N
 R_2
 R_1
 R_2
 R_3
 R_4
 R_4
 R_5
 R_4
 R_5
 R_6
 R_7
 R_8
 R_8
 R_8
 R_9
 R_9

$$R_1$$
 R_2
 R_1
 R_2
 R_3
 R_4
 R_4
 R_5
 R_5
 R_7
 R_7

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$$R_1$$
— N
 R_2
 N
 R_3
 N
 R_4
 N
 R_4
 N
 R
 N
 R_4
 N
 R
 N
 R
 R
 R
 R

$$R_1$$
 R_2
 R_1
 R_2
 R_2
 R_3
 R_4
 R_4
 R_4
 R_5
 R_5

$$R_1$$
— N
 R_2
 R_1
 R_2
 R_1
 R_2
 R_1
 R_2
 R_2
 R_3
 R_4
 R_5
 R_5
 R_5
 R_6
 R_7
 R_8
 R_9
 R_9

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wherein R is selected from the group consisting of H, C₁-C₅ alkyl, benzyl, p-fluorobenzyl and di-alkylamino alkyl, wherein said C₁-C₅ alkyl is selected from the group consisting of a straight chain, branched or cyclic alkyl;

wherein R₁ and R₂ are independently selected from the group consisting of H, alkyl, substituted alkyl, C₃-C₉ cycloalkyl, substituted C₃-C₉ cycloalkyl, polycyclic aliphatic groups, substituted polycyclic aliphatic groups, phenyl, substituted phenyl, naphthyl, substituted naphthyl, heterocyclic, polycyclic heterocyclic, heteroaryl and substituted heteroaryl, wherein said heteroaryl and said substituted heteroaryl contain 1-3 heteroatoms, wherein said heteroatom is independently selected from the group consisting of nitrogen, oxygen and sulfur;

wherein said substituted polycyclic aliphatic groups, substituted phenyl, substituted naphthyl and substituted heteroaryl contain 1-3 substituents, wherein said substituent is selected from the group consisting of H, halogens, polyhalogens, alkoxy group, substituted alkoxy, alkyl, substituted alkyl, dialkylaminoalkyl, hydroxyalkyl, hydroxyamino, alkoxyamino, carbonyl, OH, OCH₃, COOH, COOR' COR', CN, CF₃, OCF₃, NO₂, NR'R', NHCOR', and CONR'R'; and

wherein R' is selected from the group consisting of H, alkyl, substituted alkyl, C₃-C₉ cycloalkyl, substituted C₃-C₉ cycloalkyl, polycyclic aliphatics, phenyl, substituted phenyl, naphthyl, substituted naphthyl, heteroaryl and substituted heteroaryl, wherein said heteroaryl and said substituted heteroaryl contain 1-3 heteroatoms, wherein said heteroatom is independently selected from the group consisting of nitrogen, oxygen and sulfur.

- 21. (Withdrawn) The method of Claim 20 further comprising administering at least one additional ingredient which is active in reducing at least one symptom associated with said asthma.
- 22. (Withdrawn) The method of Claim 21, wherein said additional ingredient is selected from the group consisting of a short-acting β_2 -adrenergic agonist, a long-acting β_2 -adrenergic agonist, an antihistamine, a phosphodiesterase inhibitor, an anticholinergic agent, a corticosteroid, an inflammatory mediator release inhibitor and a leukotriene receptor antagonist.

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23. (Withdrawn) A method for inhibiting cellular proliferation in a mammal comprising administering an amount of at least one of the following compounds:

$$\begin{array}{c|c} R_1 & & & \\ \hline \\ HN & & & \\ \hline \\ R & & & \\ \hline \\ \end{array} \qquad \begin{array}{c} H \\ R_2 \\ \\ Genus \ I; \end{array}$$

$$R_1$$
— N
 R_2
 R_1
 R_2
 R_1
 R_2
 R_2
 R_3
 R_4
 R_4
 R_4
 R_5
 R_5
 R_5
 R_6
 R_7
 R_7
 R_8
 R_9
 R_9

$$R_1$$
— N
 R_2
 R_1
 R_2
 R_3
 R_4
 R_4
 R_5
 R_4
 R_5
 R_6
 R_7
 R_8
 R_8
 R_8
 R_9
 R_9

$$R_1$$
 R_2
 R_1
 R_2
 R_3
 R_4
 R_4
 R_5
 R_5
 R_7
 R_7

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Genus V;

$$R_1$$
 H_N
 R_2
 R_1
 R_2
 R_3
 R_4
 R_4
 R_5
 R_5
 R_5
 R_5

Genus VI;

$$R_1$$
 HN
 R_2
 R_1
 R_2

Genus VII; and

$$R_1$$
— N
 R_2
 R_1
 R_2
 R_1
 R_2
 R_2
 R_2
 R_1
 R_2
 R_2
 R_1
 R_2
 R_2
 R_1
 R_2
 R_2
 R_3
 R_4
 R_4
 R_4
 R_4
 R_5
 R_5

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wherein R is selected from the group consisting of H, C₁-C₅ alkyl, benzyl, p-fluorobenzyl and di-alkylamino alkyl, wherein said C₁-C₅ alkyl is selected from the group consisting of a straight chain, branched or cyclic alkyl;

wherein R₁ and R₂ are independently selected from the group consisting of H, alkyl, substituted alkyl, C₃-C₉ cycloalkyl, substituted C₃-C₉ cycloalkyl, polycyclic aliphatic groups, substituted polycyclic aliphatic groups, phenyl, substituted phenyl, naphthyl, substituted naphthyl, heterocyclic, polycyclic heterocyclic, heteroaryl and substituted heteroaryl, wherein said heteroaryl and said substituted heteroaryl contain 1-3 heteroatoms, wherein said heteroatom is independently selected from the group consisting of nitrogen, oxygen and sulfur;

wherein said substituted polycyclic aliphatic groups, substituted phenyl, substituted naphthyl and substituted heteroaryl contain 1-3 substituents, wherein said substituent is selected from the group consisting of H, halogens, polyhalogens, alkoxy group, substituted alkoxy, alkyl, substituted alkyl, dialkylaminoalkyl, hydroxyalkyl, hydroxyamino, alkoxyamino, carbonyl, OH, OCH₃, COOH, COOR' COR', CN, CF₃, OCF₃, NO₂, NR'R', NHCOR', and CONR'R'; and

wherein R' is selected from the group consisting of H, alkyl, substituted alkyl, C₃-C₉ cycloalkyl, substituted C₃-C₉ cycloalkyl, polycyclic aliphatics, phenyl, substituted phenyl, naphthyl, substituted naphthyl, heteroaryl and substituted heteroaryl, wherein said heteroaryl and said substituted heteroaryl contain 1-3 heteroatoms, wherein said heteroatom is independently selected from the group consisting of nitrogen, oxygen and sulfur.

- 24. (Withdrawn) The method of Claim 23 further comprising administering at least one additional ingredient which is active in reducing at least one symptom associated with said cellular proliferation.
- 25. (Withdrawn) The method of Claim 24, wherein said at least one additional ingredient is selected from the group consisting of antifungals, antivirals, antibiotics, anti-inflammatories, and anticancer agents.

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26. (Withdrawn) The method of Claim 24, wherein said at least one additional ingredient is selected from the group consisting of alkylating agent, antimetabolite, DNA cutter, topoisomerase I poison, topoisomerase II poison, DNA binder, and spindle poison.

- 27. (Withdrawn) The method of Claim 24, wherein said at least one additional ingredient is combined with said compound in a pharmaceutically acceptable diluent and coadministered to the mammal.
- 28. (Withdrawn) The method of Claim 23, wherein said compound is administered at a dose of about 0.01 mg to about 100 mg per kg body weight per day.
- 29. (Withdrawn) The method of Claim 28, wherein said dose is administered in divided doses at regular periodic intervals.
- 30. (Withdrawn) The method of Claim 29, wherein said regular periodic intervals occur daily.
- 31. (Withdrawn) The method of Claim 23 further comprising administering at least one other therapy which is effective in ameliorating at least one symptom associated with cellular hyperproliferation.
- 32. (Withdrawn) The method of Claim 31, wherein said therapy is an anti-cancer therapy.
- 33. (Withdrawn) The method of Claim 31, wherein said therapy is selected from the group consisting of radiation, immunotherapy, gene therapy, and surgery.
- 34. (Original) A method of preparing a compound or salt thereof having the formula:

$$R_1$$
 HN
 R_2
 R_1
 R_2
 R_3
 R_4
 R_4
 R_4
 R_5
 R_4
 R_5
 R_6
 R_7
 R_8
 R_8
 R_9
 R_9

wherein L and M are independently selected from the group consisting of H, alkyl, alkoxy, aryl, substituted aryl, hydroxy, halogen, amino, alkylamino, nitro, cyano, CF₃, OCF₃, CONH₂, CONHR and NHCOR₁;

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wherein R is selected from the group consisting of H, C₁-C₅ alkyl, benzyl, p-fluorobenzyl and di-alkylamino alkyl, wherein said C₁-C₅ alkyl is selected from the group consisting of a straight chain, branched or cyclic alkyl;

wherein R₁ and R₂ are independently selected from the group consisting of H, alkyl, substituted alkyl, C₃-C₉ cycloalkyl, substituted C₃-C₉ cycloalkyl, polycyclic aliphatic groups, substituted polycyclic aliphatic groups, phenyl, substituted phenyl, naphthyl, substituted naphthyl, heterocyclic, polycyclic heterocyclic, heteroaryl and substituted heteroaryl, wherein said heteroaryl and said substituted heteroaryl contain 1-3 heteroatoms, wherein said heteroatom is independently selected from the group consisting of nitrogen, oxygen and sulfur;

wherein said substituted polycyclic aliphatic groups, substituted phenyl, substituted naphthyl and substituted heteroaryl contain 1-3 substituents, wherein said substituent is selected from the group consisting of H, halogens, polyhalogens, alkoxy group, substituted alkoxy, alkyl, substituted alkyl, dialkylaminoalkyl, hydroxyalkyl, hydroxyamino, alkoxyamino, carbonyl, OH, OCH₃, COOH, COOR' COR', CN, CF₃, OCF₃, NO₂, NR'R', NHCOR', and CONR'R'; and

wherein R' is selected from the group consisting of H, alkyl, substituted alkyl, C₃-C₉ cycloalkyl, substituted C₃-C₉ cycloalkyl, polycyclic aliphatics, phenyl, substituted phenyl, naphthyl, substituted naphthyl, heteroaryl and substituted heteroaryl, wherein said heteroaryl and said substituted heteroaryl contain 1-3 heteroatoms, wherein said heteroatom is independently selected from the group consisting of nitrogen, oxygen and sulfur;

wherein said method comprises steps:

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reacting a compound with a formula:

NH-NH₂ with a compound with

NO₂

formula: M, thereby forming a compound with a formula:

Br NO₂

performing a reductive amination to the compound with a formula:

Br U NO₂

thereby forming a compound with a formula:

 $H_2N \underbrace{\prod_{i=1}^{M} NO_2}_{H}$

reacting an acyl chloride with the compound with a formula:

thereby forming a compound with a formula:

 $R_1 \xrightarrow{O} N \xrightarrow{I_1} N \xrightarrow{I_2} N O_2$

 $R_1 \xrightarrow{O} N_L \xrightarrow{N} N_{N_2}$

reducing the compound with a formula:

, thereby

 R_1 N_1 N_2 N_2 N_2 N_1 N_2 N_2 N_2 N_2 N_2 N_2 N_1 N_2 N_2

forming a compound with a formula:

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reacting an acyl chloride with the compound with a formula:

, thereby forming a compound of Genus I.

35. (Original) A method of preparing a compound or salt thereof having the formula:

wherein L and M are independently selected from the group consisting of H, alkyl, alkoxy, aryl, substituted aryl, hydroxy, halogen, amino, alkylamino, nitro, cyano, CF₃, OCF₃, CONH₂, CONHR and NHCOR₁;

wherein R is selected from the group consisting of H, C₁-C₅ alkyl, benzyl, p-fluorobenzyl and di-alkylamino alkyl, wherein said C₁-C₅ alkyl is selected from the group consisting of a straight chain, branched or cyclic alkyl;

wherein R₁ and R₂ are independently selected from the group consisting of H, alkyl, substituted alkyl, C₃-C₉ cycloalkyl, substituted C₃-C₉ cycloalkyl, polycyclic aliphatic groups, substituted polycyclic aliphatic groups, phenyl, substituted phenyl, naphthyl, substituted naphthyl, heterocyclic, polycyclic heterocyclic, heteroaryl and substituted heteroaryl, wherein said heteroaryl and said substituted heteroaryl contain 1-3 heteroatoms, wherein said heteroatom is independently selected from the group consisting of nitrogen, oxygen and sulfur;

wherein said substituted polycyclic aliphatic groups, substituted phenyl, substituted naphthyl and substituted heteroaryl contain 1-3 substituents, wherein said substituent is selected from the group consisting of H, halogens, polyhalogens, alkoxy group, substituted alkoxy, alkyl, substituted alkyl, dialkylaminoalkyl, hydroxyalkyl, hydroxyamino, alkoxyamino, carbonyl, OH, OCH₃, COOH, COOR' COR', CN, CF₃, OCF₃, NO₂, NR'R', NHCOR', and CONR'R'; and

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wherein R' is selected from the group consisting of H, alkyl, substituted alkyl, C₃-C9 cycloalkyl, substituted C3-C9 cycloalkyl, polycyclic aliphatics, phenyl, substituted phenyl, naphthyl, substituted naphthyl, heteroaryl and substituted heteroaryl, wherein said heteroaryl and said substituted heteroaryl contain 1-3 heteroatoms, wherein said heteroatom is independently selected from the group consisting of nitrogen, oxygen and sulfur;

wherein said method comprises steps:

reacting a compound with a formula:

NH-NH₂ with a compound with a

formula:

formula: thereby forming compound with

reacting the compound with a formula:

with cyanide

M

ion, thereby forming a compound with a formula:

hydrolysis compound formula: the with a performing on

thereby forming compound with a a

formula:

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reacting the compound with a formula: $\stackrel{NO_2}{\stackrel{}{\text{\tiny L}}}$

alkylamine, thereby forming a compound with a formula:

reducing the compound with a formula:

; thereby

with an

forming a compound with a formula:

, and

reacting an acyl chloride with the compound with a formula:

; thereby forming a compound of Genus II.

36. (Original) A method of preparing a compound or salt thereof having the formula:

Genus III;

wherein L and M are independently selected from the group consisting of H, alkyl, alkoxy, aryl, substituted aryl, hydroxy, halogen, amino, alkylamino, nitro, cyano, CF₃, OCF₃, CONH₂, CONHR and NHCOR₁;

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wherein R is selected from the group consisting of H, C₁-C₅ alkyl, benzyl, p-fluorobenzyl and di-alkylamino alkyl, wherein said C₁-C₅ alkyl is selected from the group consisting of a straight chain, branched or cyclic alkyl;

wherein R₁ and R₂ are independently selected from the group consisting of H, alkyl, substituted alkyl, C₃-C₉ cycloalkyl, substituted C₃-C₉ cycloalkyl, polycyclic aliphatic groups, substituted polycyclic aliphatic groups, phenyl, substituted phenyl, naphthyl, substituted naphthyl, heterocyclic, polycyclic heterocyclic, heteroaryl and substituted heteroaryl, wherein said heteroaryl and said substituted heteroaryl contain 1-3 heteroatoms, wherein said heteroatom is independently selected from the group consisting of nitrogen, oxygen and sulfur;

wherein said substituted polycyclic aliphatic groups, substituted phenyl, substituted naphthyl and substituted heteroaryl contain 1-3 substituents, wherein said substituent is selected from the group consisting of H, halogens, polyhalogens, alkoxy group, substituted alkoxy, alkyl, substituted alkyl, dialkylaminoalkyl, hydroxyalkyl, hydroxyamino, alkoxyamino, carbonyl, OH, OCH₃, COOH, COOR' COR', CN, CF₃, OCF₃, NO₂, NR'R', NHCOR', and CONR'R'; and

wherein R' is selected from the group consisting of H, alkyl, substituted alkyl, C₃-C₉ cycloalkyl, substituted C₃-C₉ cycloalkyl, polycyclic aliphatics, phenyl, substituted phenyl, naphthyl, substituted naphthyl, heteroaryl and substituted heteroaryl, wherein said heteroaryl and said substituted heteroaryl contain 1-3 heteroatoms, wherein said heteroatom is independently selected from the group consisting of nitrogen, oxygen and sulfur;

wherein said method comprises steps:

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reacting a compound with a formula:

NH-NH₂ with a compound with a

formula:

in the presence of a Lewis acid, thereby forming a compound

with a formula:

reacting the compound with a formula:

with a cyanide ion,

thereby forming a compound with a formula:

performing hydrolysis on the compound with a formula:

thereby forming a compound with a formula:

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reacting the compound with a formula:

with an

alkylamine, thereby forming a compound with a formula:

$$R_1$$
 NO_2
 NO_2

reducing the compound with a formula:

forming a compound with a formula:

with reacting chloride acyl the with formula: an compound

; thereby forming a compound of Genus III.

37. (Original) A method of preparing a compound or salt thereof having the formula:

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$$R_1$$
 HN
 R_2
 M
 R_3
 R_4
 R_4
 R_5
 R_6
 R_7
 R_8
 R_8
 R_9
 R

wherein L and M are independently selected from the group consisting of H, alkyl, alkoxy, aryl, substituted aryl, hydroxy, halogen, amino, alkylamino, nitro, cyano, CF₃, OCF₃, CONH₂, CONHR and NHCOR₁;

wherein R is selected from the group consisting of H, C₁-C₅ alkyl, benzyl, p-fluorobenzyl and di-alkylamino alkyl, wherein said C₁-C₅ alkyl is selected from the group consisting of a straight chain, branched or cyclic alkyl;

wherein R₁ and R₂ are independently selected from the group consisting of H, alkyl, substituted alkyl, C₃-C₉ cycloalkyl, substituted C₃-C₉ cycloalkyl, polycyclic aliphatic groups, substituted polycyclic aliphatic groups, phenyl, substituted phenyl, naphthyl, substituted naphthyl, heterocyclic, polycyclic heterocyclic, heteroaryl and substituted heteroaryl, wherein said heteroaryl and said substituted heteroaryl contain 1-3 heteroatoms, wherein said heteroatom is independently selected from the group consisting of nitrogen, oxygen and sulfur;

wherein said substituted polycyclic aliphatic groups, substituted phenyl, substituted naphthyl and substituted heteroaryl contain 1-3 substituents, wherein said substituent is selected from the group consisting of H, halogens, polyhalogens, alkoxy group, substituted alkoxy, alkyl, substituted alkyl, dialkylaminoalkyl, hydroxyalkyl, hydroxyamino, alkoxyamino, carbonyl, OH, OCH₃, COOH, COOR' COR', CN, CF₃, OCF₃, NO₂, NR'R', NHCOR', and CONR'R'; and

wherein R' is selected from the group consisting of H, alkyl, substituted alkyl, C₃-C₉ cycloalkyl, substituted C₃-C₉ cycloalkyl, polycyclic aliphatics, phenyl, substituted phenyl, naphthyl, substituted naphthyl, heteroaryl and substituted heteroaryl, wherein said heteroaryl and said substituted heteroaryl contain 1-3 heteroatoms, wherein said

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heteroatom is independently selected from the group consisting of nitrogen, oxygen and sulfur;

wherein said method comprises steps:

reacting a compound with a formula:

NH-NH₂ with a compound with

NO₂

a formula:

thereby forming a compound with a formula:

Br NO₂

performing a reductive amination to the compound with a formula:

Br NO₂

thereby forming a compound with a formula:

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reacting an acyl chloride with the compound with a formula:

H₂N
$$\frac{1}{C}$$
 NO₂

thereby forming a compound with a formula:

reducing the compound with a formula:

forming a compound with a formula:

; and

reacting an acyl chloride with the compound with a formula:

$$R_1 \xrightarrow{\text{NH}_2} NH_2$$

, thereby forming a compound of Genus IV.

38. (Original) A method of preparing a compound or salt thereof having the formula:

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$$R_1$$
 R_2
 R_1
 R_2
 R_3
 R_4
 R_4
 R_5
 R_7
 R_7
 R_8
 R_8
 R_9
 R_9

wherein L and M are independently selected from the group consisting of H, alkyl, alkoxy, aryl, substituted aryl, hydroxy, halogen, amino, alkylamino, nitro, cyano, CF₃, OCF₃, CONH₂, CONHR and NHCOR₁;

wherein R is selected from the group consisting of H, C₁-C₅ alkyl, benzyl, p-fluorobenzyl and di-alkylamino alkyl, wherein said C₁-C₅ alkyl is selected from the group consisting of a straight chain, branched or cyclic alkyl;

wherein R₁ and R₂ are independently selected from the group consisting of H, alkyl, substituted alkyl, C₃-C₉ cycloalkyl, substituted C₃-C₉ cycloalkyl, polycyclic aliphatic groups, substituted polycyclic aliphatic groups, phenyl, substituted phenyl, naphthyl, substituted naphthyl, heterocyclic, polycyclic heterocyclic, heteroaryl and substituted heteroaryl, wherein said heteroaryl and said substituted heteroaryl contain 1-3 heteroatoms, wherein said heteroatom is independently selected from the group consisting of nitrogen, oxygen and sulfur;

wherein said substituted polycyclic aliphatic groups, substituted phenyl, substituted naphthyl and substituted heteroaryl contain 1-3 substituents, wherein said substituent is selected from the group consisting of H, halogens, polyhalogens, alkoxy group, substituted alkoxy, alkyl, substituted alkyl, dialkylaminoalkyl, hydroxyalkyl, hydroxyamino, alkoxyamino, carbonyl, OH, OCH₃, COOH, COOR' COR', CN, CF₃, OCF₃, NO₂, NR'R', NHCOR', and CONR'R'; and

wherein R' is selected from the group consisting of H, alkyl, substituted alkyl, C₃-C₉ cycloalkyl, substituted C₃-C₉ cycloalkyl, polycyclic aliphatics, phenyl, substituted phenyl, naphthyl, substituted naphthyl, heteroaryl and substituted heteroaryl, wherein said heteroaryl and said substituted heteroaryl contain 1-3 heteroatoms, wherein said

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heteroatom is independently selected from the group consisting of nitrogen, oxygen and sulfur;

wherein said method comprises steps:

· NC

reacting a compound with a formula:

NH-NH₂ with a compound with

Br

formula:

in the presence of a Lewis acid, thereby forming a

NC N N

compound with a formula:

NC NC N N

performing hydrolysis on the compound with a formula:

HOOC W N

thereby forming a compound with a formula:

HOOC II N

reacting the compound with a formula:

with an

alkylamine, thereby forming a compound with a formula:

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reacting the compound with a formula:

with a cyanide

ion, thereby forming a compound with a formula:

performing formula: hydrolysis on the compound with a

forming thereby a compound with a

СООН formula:

reacting the compound with a formula:

with an alkylamine, thereby forming a compound of Genus V.

39. (Original) A method of preparing a compound or salt thereof having the formula:

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$$R_1$$
 HN
 R_2
 R_1
 R
 R
 R_2
 R
 R
 R
 R
 R
 R
 R
 R

wherein L and M are independently selected from the group consisting of H, alkyl, alkoxy, aryl, substituted aryl, hydroxy, halogen, amino, alkylamino, nitro, cyano, CF₃, OCF₃, CONH₂, CONHR and NHCOR₁;

wherein R is selected from the group consisting of H, C₁-C₅ alkyl, benzyl, p-fluorobenzyl and di-alkylamino alkyl, wherein said C₁-C₅ alkyl is selected from the group consisting of a straight chain, branched or cyclic alkyl;

wherein R₁ and R₂ are independently selected from the group consisting of H, alkyl, substituted alkyl, C₃-C₉ cycloalkyl, substituted C₃-C₉ cycloalkyl, polycyclic aliphatic groups, substituted polycyclic aliphatic groups, phenyl, substituted phenyl, naphthyl, substituted naphthyl, heterocyclic, polycyclic heterocyclic, heteroaryl and substituted heteroaryl, wherein said heteroaryl and said substituted heteroaryl contain 1-3 heteroatoms, wherein said heteroatom is independently selected from the group consisting of nitrogen, oxygen and sulfur;

wherein said substituted polycyclic aliphatic groups, substituted phenyl, substituted naphthyl and substituted heteroaryl contain 1-3 substituents, wherein said substituent is selected from the group consisting of H, halogens, polyhalogens, alkoxy group, substituted alkoxy, alkyl, substituted alkyl, dialkylaminoalkyl, hydroxyalkyl, hydroxyamino, alkoxyamino, carbonyl, OH, OCH₃, COOH, COOR' COR', CN, CF₃, OCF₃, NO₂, NR'R', NHCOR', and CONR'R'; and

wherein R' is selected from the group consisting of H, alkyl, substituted alkyl, C₃-C₉ cycloalkyl, substituted C₃-C₉ cycloalkyl, polycyclic aliphatics, phenyl, substituted phenyl, naphthyl, substituted naphthyl, heteroaryl and substituted heteroaryl, wherein said heteroaryl and said substituted heteroaryl contain 1-3 heteroatoms, wherein said

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heteroatom is independently selected from the group consisting of nitrogen, oxygen and sulfur;

wherein said method comprises steps:

•

reacting a compound with a formula:

$$O_2N - \frac{11}{1}$$
 $NH - NH_2$ with a c

with a compound with

Br

a formula:

in the presence of a Lewis acid, thereby forming a compound

$$O_2N$$

with a formula:

$$O_2N\frac{1}{C}$$
 N
 N
 N
 N
 N

reacting the compound with a formula:

with a cyanide ion,

$$O_2N$$

thereby forming a compound with a formula:

$$O_2N$$

performing hydrolysis on the compound with a formula:

thereby forming a compound with a formula:

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O₂N N N N N

reacting the compound with a formula:

with an

alkylamine, thereby forming a compound with a formula:

reducing the compound with a formula:

; thereby

forming a compound with a formula:

reacting an acyl chloride with the compound with a formula:

H₂N
$$\frac{1}{U}$$
 NHR₂

; thereby forming a compound of Genus VI.

40. (Original) A method of preparing a compound or salt thereof having the formula:

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 R_1 HN R_2 R_1 R_2

Genus VII;

wherein L and M are independently selected from the group consisting of H, alkyl, alkoxy, aryl, substituted aryl, hydroxy, halogen, amino, alkylamino, nitro, cyano, CF₃, OCF₃, CONH₂, CONHR and NHCOR₁;

wherein R is selected from the group consisting of H, C₁-C₅ alkyl, benzyl, p-fluorobenzyl and di-alkylamino alkyl, wherein said C₁-C₅ alkyl is selected from the group consisting of a straight chain, branched or cyclic alkyl;

wherein R₁ and R₂ are independently selected from the group consisting of H, alkyl, substituted alkyl, C₃-C₉ cycloalkyl, substituted C₃-C₉ cycloalkyl, polycyclic aliphatic groups, substituted polycyclic aliphatic groups, phenyl, substituted phenyl, naphthyl, substituted naphthyl, heterocyclic, polycyclic heterocyclic, heteroaryl and substituted heteroaryl, wherein said heteroaryl and said substituted heteroaryl contain 1-3 heteroatoms, wherein said heteroatom is independently selected from the group consisting of nitrogen, oxygen and sulfur;

wherein said substituted polycyclic aliphatic groups, substituted phenyl, substituted naphthyl and substituted heteroaryl contain 1-3 substituents, wherein said substituent is selected from the group consisting of H, halogens, polyhalogens, alkoxy group, substituted alkoxy, alkyl, substituted alkyl, dialkylaminoalkyl, hydroxyalkyl, hydroxyamino, alkoxyamino, carbonyl, OH, OCH₃, COOH, COOR' COR', CN, CF₃, OCF₃, NO₂, NR'R', NHCOR', and CONR'R'; and

wherein R' is selected from the group consisting of H, alkyl, substituted alkyl, C₃-C₉ cycloalkyl, substituted C₃-C₉ cycloalkyl, polycyclic aliphatics, phenyl, substituted phenyl, naphthyl, substituted naphthyl, heteroaryl and substituted heteroaryl, wherein said heteroaryl and said substituted heteroaryl contain 1-3 heteroatoms, wherein said heteroatom is independently selected from the group consisting of nitrogen, oxygen and sulfur;

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wherein said method comprises steps:

reacting a compound with a formula:

NH-NH₂ with a compound with

a formula:

in the presence of a Lewis acid, thereby forming a compound

with a formula:

with a cyanide

reacting the compound with a formula:

ion, thereby forming a compound with a formula:

formula: compound with hydrolysis the a performing on

forming compound with thereby a a

СООН formula:

reacting the compound with a formula:

COOH

with an formula: alkylamine, with thereby forming compound a

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$$O_2N_{\frac{1}{V}}$$
 $N_{\frac{1}{V}}$ $N_{\frac{1}{V}}$

reducing the compound with a formula:

forming a compound with a formula:

reacting an acyl chloride with the compound with a formula:

; thereby forming a compound of Genus VII.

41. (Original) A method of preparing a compound or salt thereof having the formula:

$$R_1$$
— N
 R_2
 R_1
 R_2
 R_1
 R_2
 R_2
 R_1
 R_2
 R_2
 R_3
 R_4
 R_4
 R_4
 R_4
 R_4
 R_4
 R_5
 R_4
 R_5
 R_6
 R_7
 R_8
 R_8

wherein L and M are independently selected from the group consisting of H, alkyl, alkoxy, aryl, substituted aryl, hydroxy, halogen, amino, alkylamino, nitro, cyano, CF₃, OCF₃, CONH₂, CONHR and NHCOR₁;

wherein R is selected from the group consisting of H, C₁-C₅ alkyl, benzyl, p-fluorobenzyl and di-alkylamino alkyl, wherein said C₁-C₅ alkyl is selected from the group consisting of a straight chain, branched or cyclic alkyl;

wherein R₁ and R₂ are independently selected from the group consisting of H, alkyl, substituted alkyl, C₃-C₉ cycloalkyl, substituted C₃-C₉ cycloalkyl, polycyclic aliphatic groups, substituted polycyclic aliphatic groups, phenyl, substituted phenyl, naphthyl, substituted naphthyl, heterocyclic, polycyclic heterocyclic, heteroaryl and substituted heteroaryl, wherein said heteroaryl and said substituted heteroaryl contain 1-3

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heteroatoms, wherein said heteroatom is independently selected from the group consisting of nitrogen, oxygen and sulfur;

wherein said substituted polycyclic aliphatic groups, substituted phenyl, substituted naphthyl and substituted heteroaryl contain 1-3 substituents, wherein said substituent is selected from the group consisting of H, halogens, polyhalogens, alkoxy group, substituted alkoxy, alkyl, substituted alkyl, dialkylaminoalkyl, hydroxyalkyl, hydroxyamino, alkoxyamino, carbonyl, OH, OCH₃, COOH, COOR' COR', CN, CF₃, OCF₃, NO₂, NR'R', NHCOR', and CONR'R'; and

wherein R' is selected from the group consisting of H, alkyl, substituted alkyl, C₃-C₉ cycloalkyl, substituted C₃-C₉ cycloalkyl, polycyclic aliphatics, phenyl, substituted phenyl, naphthyl, substituted naphthyl, heteroaryl and substituted heteroaryl, wherein said heteroaryl and said substituted heteroaryl contain 1-3 heteroatoms, wherein said heteroatom is independently selected from the group consisting of nitrogen, oxygen and sulfur;

wherein said method comprises steps:

NC - NH-NH₂ with a compound with a

reacting a compound with a formula:

Br

formula:

in the presence of a Lewis acid, thereby forming a compound

with a formula:

performing hydrolysis on the compound with a formula:

$$NC \xrightarrow{\stackrel{\square}{V}} \underset{M}{\overset{N}{\bigvee}} \underset{M}{\overset{P}{\bigvee}} \overset{Br}{\bigvee}$$

thereby forming a compound with a

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with an

with a

reacting the compound with a formula:

alkylamine, thereby forming a compound with a formula:

reacting the compound with a formula:

cyanide ion, thereby forming a compound with a formula:

compound performing hydrolysis the with formula: on

forming compound with thereby a

COOH formula:

СООН

reacting the compound with a formula:

thereby forming a compound of Genus VIII.

with an alkylamine,